

Water Content of "Dried" Silicon Dioxide
Surfaces, by H. Boehm.

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CSIRO/No. 6906

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Order from SLA \$1.10

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DESCRIPTORS: *Silicon compounds. Dioxides.
*Hydroxides. Chemical reactions. Surfaces.

Reactions of surface hydroxyl groups have been in-
vestigated with finely divided amorphous silica
(Aerosil). The hydroxyl groups react with calcium hy-
droxide; esters are formed by reaction with alcohols
and diazomethane. Heating with thionyl chloride leads
to substitution by chlorine. This reaction is especially
suited for the quantitative determination of hydroxyl
groups bound to silica surfaces. (Author)

(Chemistry-Physical, TT, v. 6, no. 3)

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Decomposition, Barium compounds, Azides, Chlorides,
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